

ABSTRACT

SECURING PLUGS IN OVER-SIZED HOLES

5 A method of securing a screw-receiving plug (16) in an
over-sized preformed hole (20) comprises the steps of: (a)
providing at least one piece of a loosely-woven fabric
(26,30) carrying consolidated thereon a quick-setting
filler material (28), which fabric piece (26,30) is sized
to envelop at least circuferentially the plug (16) intended
10 to be used; (b) enveloping the plug (16) circuferentially
in the fabric piece (26,30); (c) activating the filler
material (28); and (d) inserting the enveloped plug
(16,26,28) in the hole (20) in a manner such as to ensure
15 filling of the hole (20) with the enveloped plug
(16,26,28). In one embodiment the filler material (28) is
water-activated, e.g. a quick-setting material made from
gypsum, preferably plaster of Paris; whilst in a second
20 embodiment the filler material is air-activated, e.g. a
polyurethane resin. The method enables a screw (14) to be
screwed home in the plug (16) after elapse of a short
filler-hardening time. The fabric piece (26) may comprise
a tape (38) for winding on the plug (16) circumferentially;
or it may be circular in shape, and be placed over the
25 closed end of the plug (16) and then smoothed
longitudinally along the plug (16).

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Refers Figures 1 & 6.

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